

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A light-emitting device having at least first and second light-emitting elements exhibiting different emission colors, each of the first and second light-emitting elements comprising:

a first electrode that has a non-light-transmitting property;

a first ~~layer, a second layer and a third layer which are formed~~ layer serving as a layer generating holes over and in contact with the first electrode;

a second layer serving as a layer including a light-emitting layer over the first layer;

a third layer serving as a layer generating electrons over the second layer; and

a second electrode that has a light transmitting property over the first layer, the ~~second layer and the third layer,~~

~~wherein the first layer serves as a layer generating holes, the second layer serves as a layer including a light-emitting layer, and the third layer serves as a layer generating electrons, and~~

wherein a thickness of the first layer of the first light-emitting element is different from that of the second light-emitting element.

2. (Currently Amended) A light-emitting device having at least first and second light-emitting elements exhibiting different emission colors, each of the first and second light-emitting elements comprising:

a first electrode that has a non-light-transmitting property;

a first ~~layer, a second layer and a third layer which are formed~~ layer serving as a layer generating holes over and in contact with the first electrode;

a second layer serving as a layer including a light-emitting layer over the first layer;

a third layer serving as a layer generating electrons over the second layer; and

a second electrode that has a light transmitting property over the first layer, the second layer and the third layer,

~~wherein the first layer serves as a layer generating holes, the second layer serves as a layer including a light-emitting layer, and the third layer serves as a layer generating electrons,~~

wherein the first layer is a layer in which an organic compound and a metal oxide are mixed, and

wherein a thickness of the first layer of the first light-emitting element is different from that of the second light-emitting element.

3. (Previously Presented) The light-emitting device according to any one of claims 1 and 2, wherein the thickness of the first layer of the first light-emitting element is different from that of the second light-emitting element so that light-extraction efficiency of light emitted from the light-emitting layer and reflected light, which has been emitted from the light-emitting layer and is reflected on the first electrode, can be increased.

4. (Original) The light-emitting device according to claim 2, wherein the metal oxide is selected from the group consisting of molybdenum oxide, vanadium oxide and rhenium oxide.

5. (Original) The light-emitting device according to claim 2, wherein the organic compound is selected from the group consisting of 4, 4'-bis[N-(1-naphthyl)-N-phenylamino] biphenyl;

4,4'-bis[N-(3-methylphenyl)-N-phenylamino]biphenyl; 4,4',4''-tris(N,N-diphenylamino)triphenylamine;
4,4',4''-tris[N-(3-methylphenyl)-N-phenylamino]triphenylamine;
4,4'-bis{N-[4-(N,N-di-m-tolylamino)phenyl]-N-phenylamino}biphenyl; phthalocyanine; copper phthalocyanine; and vanadyl phthalocyanine.

6. (Currently Amended) A light-emitting device having at least first and second light-emitting elements exhibiting different emission colors, each of the first and second light-emitting elements comprising:

a first electrode that has a non-light-transmitting property;

~~a first layer, a second layer, a third layer and a fourth layer which are formed layer serving as a layer generating holes over and in contact with the first electrode;~~

a second layer serving as a layer including a light-emitting layer over the first layer;

a third layer serving as a layer generating electrons over the second layer;

a fourth layer serving as a layer generating holes over the third layer; and

~~a second electrode that has a light transmitting property over the first layer, the second layer, the third layer and the fourth layer,~~

~~wherein the first layer serves as a layer generating holes, the second layer serves as a layer including a light emitting layer, the third layer serves as a layer generating electrons, and the fourth layer serves as a layer generating holes, and~~

wherein a thickness of the first layer of the first light-emitting element is different from that of the second light-emitting element.

7. (Currently Amended) A light-emitting device having at least first and second light-emitting elements exhibiting different emission colors, each of the first and second light-emitting elements comprising:

a first electrode that has a non-light-transmitting property;

~~a first layer, a second layer, a third layer and a fourth layer which are formed~~
layer serving as a layer generating holes over and in contact with the first electrode;

a second layer serving as a layer including a light-emitting layer over the first layer;

a third layer serving as a layer generating electrons over the second layer;

a fourth layer serving as a layer generating holes over the third layer; and

a second electrode that has a light transmitting property over ~~the first layer, the second layer, the third layer and the fourth layer,~~

~~wherein the first layer serves as a layer generating holes, the second layer serves as a layer including a light-emitting layer, the third layer serves as a layer generating electrons, and the fourth layer serves as a layer generating holes, and~~

wherein a thickness of the first layer is different depending on each of the emission colors so that light-extraction efficiency of light emitted from the light-emitting layer and reflected light, which has been emitted from the light-emitting layer and is reflected on the first electrode, can be increased.

8. (Original) The light-emitting device according to any one of claims 1, 2, 6 and 7, wherein the second electrode comprises indium tin oxide including silicon oxide.

9. (Currently Amended) A light-emitting device comprising:

a plurality of transistors provided at interconnection portions formed by signal lines and scanning lines;

a plurality of first electrodes that are connected to the plurality of transistors and each has a non-light-transmitting property;

~~a plurality of first layers, a plurality of second layers and a plurality of third layers which are formed~~ layers serving as layers generating holes over and in contact with the plurality of first electrodes, respectively;

a plurality of second layers serving as layers including any of light-emitting layers emitting first to third light over the plurality of first layers;

a plurality of third layers serving as layers generating electrons over the plurality of second layers; and

a second electrode that has a light transmitting property over the ~~plurality of first layers, the plurality of second layers and the plurality of third layers,~~

~~wherein the plurality of first layers serve as layers generating holes, and the plurality of second layers serve as layers including any of light-emitting layers emitting first to third light, and the plurality of third layers serve as layers generating electrons, and~~

wherein thicknesses of the plurality of first layers are different depending on each light-emitting element emitting the first to third light.

10. (Currently Amended) A light-emitting device comprising:

a plurality of transistors provided at interconnection portions formed by signal lines and scanning lines;

a plurality of first electrodes that are connected to the plurality of transistors and each has a non-light-transmitting property;

a plurality of first layers, ~~a plurality of second layers and a plurality of third layers which are formed~~ layers serving as layers generating holes over and in contact with the plurality of first electrodes, respectively;

a plurality of second layers serving as layers including at least one of light-emitting layers emitting first to third light over the plurality of first layers;

a plurality of third layers serving as layers generating electrons over the plurality of second layers; and

a second electrode that has a light transmitting property over the plurality of first layers, the plurality of second layers and the plurality of third layers,

~~wherein the plurality of first layers serve as layers generating holes, and the plurality of second layers serve as a layer including at least one of light-emitting layers emitting first to third light, and the plurality of third layers serve as layers generating electrons;~~

wherein the plurality of first layers are each a layer in which an organic compound and a metal oxide are mixed, and

wherein thicknesses of the plurality of first layers are different depending on each light-emitting element emitting the first to third light.

11. (Previously Presented) The light-emitting device according to claim 10, wherein the metal oxide is selected from the group consisting of molybdenum oxide, vanadium oxide and rhenium oxide.

12. (Currently Amended) A light-emitting device comprising:

a plurality of transistors provided at interconnection portions formed by signal lines and scanning lines;

a plurality of first electrodes that are connected to the plurality of transistors and each has a non-light-transmitting property;

~~a plurality of first layers, a plurality of second layers, a plurality of third layers and a plurality of fourth layers which are formed~~ layers serving as layers generating holes over and in contact with the plurality of first electrodes, respectively;

a plurality of second layers serving as layers including at least one of light-emitting layers emitting first to third light over the plurality of first layers;

a plurality of third layers serving as layers generating electrons over the plurality of second layers;

a plurality of fourth layers serving as layers generating holes over the plurality of third layers; and

a second electrode that has a light transmitting property over ~~the plurality of first layers, the plurality of second layers, the plurality of third layers and the plurality of fourth layers,~~

~~wherein the plurality of first layers serve as layers generating holes, and the plurality of second layers serve as a layer including at least one of light-emitting layers emitting first to third light, the plurality of third layers serve as layers generating electrons, the plurality of fourth layers serve as layers generating holes, and~~

wherein thicknesses of the plurality of first layers are different depending on each light-emitting element emitting the first to third light.

13. (Original) The light-emitting device according to claim 12, wherein thicknesses of the plurality of first layers are different depending on each light-emitting element emitting the first to third light so that light-extraction efficiency of light emitted from the light-emitting layer and reflected light, which has been emitted from the light-emitting layer and is reflected on the first electrode, can be increased.

14. (Currently Amended) The light-emitting device according to ~~any one of claims 9, 10 and 12~~ claim 10, wherein the organic compound is selected from the group consisting of 4, 4'-bis[N-(1-naphthyl)-N-phenylamino] biphenyl; 4,4'-bis[N-(3-methylphenyl)-N-phenylamino]biphenyl; 4,4',4''-tris(N,N-diphenylamino)triphenylamine; 4,4',4''-tris[N-(3-methylphenyl)-N-phenylamino]triphenylamine; 4,4'-bis{N-[4-(N,N-di-m-tolylamino)phenyl]-N-phenylamino}biphenyl; phthalocyanine; copper phthalocyanine; and vanadyl phthalocyanine.

15. (Original) The light-emitting device according to any one of claims 9, 10 and 12, wherein the second electrode comprises indium tin oxide including silicon oxide.

16. (Currently Amended) A light-emitting device comprising:

a plurality of types of color filters having different optical characteristics;
a first electrode that has a non-light-transmitting property;
a first layer, ~~a second layer and a third layer~~ formed layer over and in contact
with the first electrode;
a second layer over the first layer;
a third layer over the second layer; and
a second electrode that has a light transmitting property over ~~the first layer, the~~
~~second layer and the third layer,~~
wherein any of the first to third layers has an organic material and a metal oxide,
and
wherein a thickness of ~~the layer having the organic material and the metal oxide~~
the first layer is different depending on each of the optical characteristics.

17. (Currently Amended) A light-emitting device comprising:
a plurality of types of color filters having different optical characteristics;
a first electrode that has a non-light-transmitting property;
a first layer, ~~a second layer and a third layer~~ formed layer serving as a layer
generating holes over and in contact with the first electrode;
a second layer serving as a layer including a light-emitting layer over the first
layer;
a third layer serving as a layer generating electrons over the second layer; and
a second electrode that has a light transmitting property over ~~the first layer, the~~
~~second layer and the third layer;~~
wherein ~~the first layer serves as a layer generating holes, and the second layer~~
~~serves as a layer including a light-emitting layer, and the third layer serves as a layer~~
~~generating electrons,~~
wherein the first layer has an organic material and a metal oxide, and

wherein a thickness of the first layer is different depending on each of the optical characteristics.

18. (Canceled)

19. (Currently Amended) A light-emitting device comprising:

a semiconductor film;

a first electrode that has a non-light-transmitting property formed over the semiconductor film;

~~a first layer, a second layer and a third layer formed~~ layer serving as a layer generating holes over and in contact with the first electrode;

a second layer serving as a layer including a light-emitting layer over the first layer;

a third layer serving as a layer generating electrons over the second layer; and

a second electrode that has a light transmitting property over the first layer, the second layer and the third layer; and

a plurality of types of color filters having different optical characteristics, which are each formed on the second electrode side,

~~wherein the second electrode has a light transmitting property,~~

~~wherein the first layer serves as a layer generating holes, and the second layer serves as a layer including a light emitting layer, and the third layer serves as a layer generating electrons,~~

wherein the first layer has an organic material and a metal oxide, and

wherein a thickness of the first layer is different depending on each of the optical characteristics.

20. (Previously Presented) The light-emitting device according to any one of claims 16, 17 and 19, wherein the plurality of types of color filters are formed on an emission side.

21. (Previously Presented) The light-emitting device according to any one of claims 16, 17 and 19, wherein the metal oxide is selected from the group consisting of molybdenum oxide, vanadium oxide and rhenium oxide.

22. (Currently Amended) The light-emitting device according to any one of claims 16, 17 and 19, wherein ~~at least one of the first and~~ the second electrodes electrode comprises indium tin oxide including silicon oxide.